

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12164

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C10G2/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C10G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 247 679 A (SHELL INT RESEARCH) 2 December 1987 (1987-12-02) claims 1,3	1, 11
A	US 4 632 941 A (COUGHLIN PETER K) 30 December 1986 (1986-12-30) cited in the application claims 1,10-12 column 4, line 31 - line 51 column 5, line 54 - line 57	1-3,5,8, 9

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*8\* document member of the same patent family

Date of the actual completion of the international search

18 February 2004

Date of mailing of the international search report

25/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

De Herdt, 0

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/12164

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0247679	A	02-12-1987	AU 590419 B2	02-11-1989
			AU 7344987 A	03-12-1987
			BR 8702719 A	01-03-1988
			CA 1290311 C	08-10-1991
			CN 87103825 A ,B	16-12-1987
			CS 8703849 A2	12-09-1990
			DD 263786 A5	11-01-1989
			DE 3761242 D1	01-02-1990
			EP 0247679 A2	02-12-1987
			FI 872348 A ,B,	01-12-1987
			HU 48487 A2	28-06-1989
			IN 169798 A1	21-12-1991
			JP 2583423 B2	19-02-1997
			JP 62298453 A	25-12-1987
			KR 9509001 B1	10-08-1995
			NL 8701243 A ,B,	16-12-1987
			NZ 220462 A	27-07-1989
			SU 1641184 A3	07-04-1991
			TR 22790 A	19-07-1988
			US 4857170 A	15-08-1989
			US 4916096 A	10-04-1990
			ZA 8703827 A	27-04-1988
US 4632941	A	30-12-1986	US 4579830 A	01-04-1986
			AT 38825 T	15-12-1988
			AU 585873 B2	29-06-1989
			AU 4549785 A	24-01-1986
			BR 8506802 A	25-11-1986
			CA 1241630 A1	06-09-1988
			DE 3566394 D1	29-12-1988
			EP 0187818 A1	23-07-1986
			JP 61502545 T	06-11-1986
			WO 8600296 A1	16-01-1986
			ZA 8504829 A	26-02-1986